

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 April 2004 (15.04.2004)

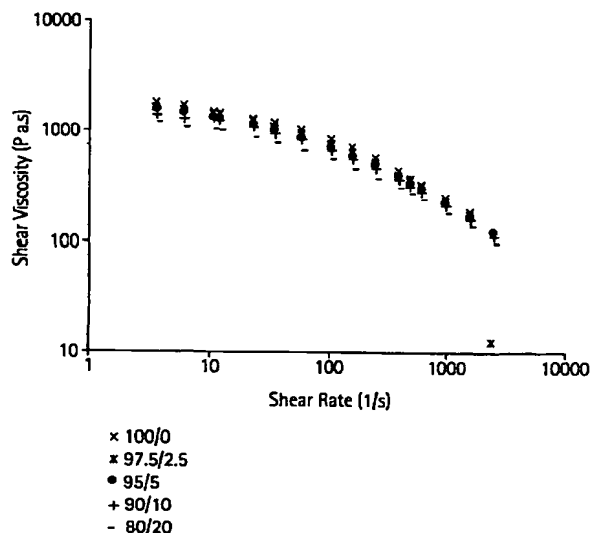
PCT

(10) International Publication Number
WO 2004/031292 A3

- (51) International Patent Classification⁷: **C08L 23/04**,
101/00, 53/02 // (C08L 23/04, 101/02) (C08L 101/00,
23:04)
- (21) International Application Number:
PCT/US2003/030434
- (22) International Filing Date:
26 September 2003 (26.09.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/415,639 2 October 2002 (02.10.2002) US
- (63) Related by continuation (CON) or continuation-in-part
(CIP) to earlier application:
US 60/415,639 (CIP)
Filed on 2 October 2002 (02.10.2002)
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ,
DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, YU, ZA,
ZM, ZW.

[Continued on next page]

(54) Title: POLYMER COMPOSITIONS COMPRISING A LOW VISCOSITY, HOMOGENEOUSLY BRANCHED
ETHYLENE/ α -OLEFIN EXTENDER



(57) Abstract: A thermoplastic composition is described that comprises (i) from 1 to 99 percent by weight of the total composition of at least one thermoplastic copolymer, for example, styrene block copolymers, and (ii) from 1 to 99 percent by weight of the total composition of at least one homogeneously branched ethylene/ α -olefin interpolymers, for example ethylene/1-octene, having a density of less than or equal to 0.899 g/cc and a Brookfield viscosity of greater than 500 cP (350°F).

WO 2004/031292 A3



(84) **Designated States (regional):** ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) **Date of publication of the international search report:**
12 August 2004

Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 03/30434

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08L23/04 C08L101/00 C08L53/02
//((C08L23/04,101:02),(C08L101/00,23:04)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | US 5 278 272 A (WILSON JOHN R ET AL) 11 January 1994 (1994-01-11) cited in the application abstract the whole document column 4, line 60 - column 5, line 6 column 17, line 652 - column 18; claims ----- | 1-8 |
| X | WO 98/46694 A (JIALANELLA GARY LEE ;MCKEAND THOMAS J JR (US); SEHANOBISH KALYAN () 22 October 1998 (1998-10-22) abstract page 1, line 8 - line 20 page 2, lines 1-5 - lines 29-37 page 13, line 9 - line 33 page 16, line 11 - line 38 claims 3,4; examples ----- -/-- | 1-11 |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

12 February 2004

Date of mailing of the international search report

21.06.2004

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INTERNATIONAL SEARCH REPORT

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PCT/US 03/30434

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | US 2002/061981 A1 (DONALD ET AL.) 23 May 2002 (2002-05-23) abstract column 1, paragraph 6 column 5, paragraph 51 - paragraph 55 column 7, paragraph 72 - paragraph 76 column 8 - column 11 column 14, paragraph 169 - paragraph 170 ----- | 1-8 |
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 03/30434

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1 - 11

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-11 as referring to thermoplastic olefin polymers

a composition comprising a thermoplastic polyolefin (a) and an ethylene polymer (b) as claimed, articles produced thereof.

2. claims: 1-6,8 as referring to thermoplastic polycarbonates

a composition comprising a thermoplastic polycarbonate and (b) as claimed, articles produced thereof.

3. claims: 1-6,8 as referring to thermoplastic polyesters

a composition comprising a thermoplastic polyester and (b) as claimed, articles produced thereof.

4. claims: 1-6,8 as referring to thermoplastic polyurethanes

a composition comprising a thermoplastic polyurethane and (b) as claimed, articles produced thereof.

5. claims: 1-6,8 as referring to thermoplastic polyamides

a composition comprising a thermoplastic polyamide and (b) as claimed, articles produced thereof.

INTERNATIONAL SEARCH REPORT

Information on patent family members

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